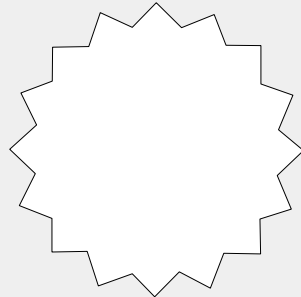

STATUS OF THE MACT PROGRAM



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THE MAXIMUM ACHIEVABLE CONTROL TECHNOLOGY PROGRAM

- **Section 112 MACT Standards**
- **Section 129 Combustion Standards**

The Section 112 Program

- 188 Hazardous Air Pollutants initially listed in CAA
- 174 source categories listed by EPA
- Source categories divided into bins:

BIN	STATUTORY DATE	STANDARDS/ SOURCE CATEGORIES	PROPOSED TO DATE	PROMULGATED TO DATE
2 year	11/15/92	2 standards 6 source cat.	---	2 standards 6 source cat
4 year	11/15/94	18 standards 40 source cat	---	19 standards 40 source cat.
7 year	11/15/97	30 standards 41 source cat	4 standards 5 source cat.	21 standards 31 source cat. 5 delisted
10 year	11/15/00	59 standards 87 source cat	3 standards 3 source cat.	1 standard 1 source cat.

The 2-year Bin

- **Promulgated 2 standards covering 6 source categories:**
 - **Dry Cleaning (5 categories)**
 - **Hazardous Organic NESHAP (HON)**

The 4-year Bin

- **Promulgated 19 standards covering 40 source categories:**

Aerospace

Asbestos (delisted)

Chrome Electroplating*

Coke Ovens

Commercial Sterilizers*

Halogenated Solvents*

Industrial Cooling Towers

Magnetic Tape

Marine Vessels

Print & Publishing

Off-site Waste

Petroleum Refineries

Polymers & Resins I*

Polymers & Resins II*

Polymers & Resins IV*

Secondary Lead

Shipbuilding

Gas Distribution

Wood Furniture

*** = covers more than one source category**

The 7-year Bin

- **Promulgated 21 standards (covering 31 source categories)**

Primary Aluminum	Polyether Polyols	Portland Cement
Pulp & Paper MACT I	Steel Pickling	Generic MACT:
Pulp & Paper MACT II	Wool Fiberglass	Acrylic/Modacrylic
Tetrahydrobenzaldehyde	Mineral Wool	Hydrogen Fluoride
Pharmaceuticals	Ferroalloys	Polycarbonates
Phosphoric Acid	Primary Lead	Acetal Resins
Phosphate Fertilizer	Oil & Natural Gas	
Flex. Polyurethane Foam	Pesticide Active Ingredient*	

*** = covers more than one source category**

The 7-year Bin (*continued*)

- **Proposed 4 rules (covering 5 source categories)**
 - **Publicly Owned Treatment Works - October 1999**
 - **Polymers & Resins III - December 1999**
 - **Secondary Aluminum - December 1999**
 - **Pulp & Paper (combustion) MACT II - Dec 2000**

- **Delisted 5 source categories**
 - **Chromium Chemicals**
 - **Nylon 6**
 - **Wood Treatment**
 - **EAF: Stainless Steel and Non-Stainless Steel**

The 10-year Bin

- **There are 62 10-year MACT standards**
 - **covering 94 source categories**
- **Standards are currently under development**
- **Statutory deadline is November 15, 2000**
- **112j "hammer" date is May 15, 2002**

The 10-year Bin *(continued)*

- **Proposed 3 standards covering 3 source categories**
 - **Primary Copper**
 - **Petroleum Refineries**
 - **Nutritional Yeast**

- **Promulgated 1 standard covering 1 source category**
 - **Natural Gas Transmission & Storage Facilities**

- **Plan to delist 2 source categories**
 - **Antimony Oxide and Aerosol Can Filling**

MACT Emission Reductions

- **Estimate annual reductions of 1.5 million tons from promulgated rules**
- **Expect an additional half a million tons in annual reductions from the 10-year bin**

Section 129 Combustion Standards

- **Municipal Waste Combustion (final 12/95)**
 - received a court remand in 1997
 - repropose in August 1999
 - promulgate by November 2000

- **Hospital/Medical/ Infectious Waste Incineration (final 9/97)**

- **Promulgate by November 2000:**
 - Industrial/Commercial Waste Incinerators

Section 129 Combustion Standards Emissions

- **MWC and HMIWI account for ~30% of national mercury emissions in the air**
- **When fully implemented will reduce mercury emissions by ~90%**
- **Will result in more than a 95% reduction in dioxin/furan emissions**

For More Information on Air Toxics Visit the Following Websites

- **EPA's Office of Air and Radiation (OAR)**
 - **www.epa.gov/oar**

- **Unified Air Toxics Website (UATW)**
 - **repository for air toxics information**
 - **www.epa.gov/ttn/uatw**

- **OAR Policy & Guidance Website**
 - **provide access to rules, policy, and guidance documents produced by US EPA Office of Air and Radiation**
 - **www.epa.gov/ttn/oarpg**